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INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 09:52:52 ON 14 NOV 2001

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1 FILE ADISALERTS  
39 FILE AGRICOLA  
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9 FILE BIOTECHABS  
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923 FILE SCISEARCH  
0\* FILE TOXLIT  
0\* FILE USPATFULL  
0\* FILE WPIDS  
0\* FILE WPINDEX  
1 FILE NAPRALERT  
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SEA EUKARYO? AND INITI? AND FACTO? AND KINAS?

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L1 QUE EUKARYO? AND INITI? AND FACTO? AND KINAS?

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 FILE 'USPATFULL, ESBIODASE, BIOSIS, SCISEARCH, CAPLUS, MEDLINE, EMBASE,  
 GENBANK, BIOTECHNO, LIFESCI, CANCERLIT, DGENE, PASCAL, TOXLIT, AGRICOLA,  
 CABA, NLDB, DRUGU, EMBAL, WPIDS, IFIPAT, JICST-EPLUS' ENTERED AT 10:48:09  
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L2 13541 S EUKARYO? AND INITI? AND FACTO? AND KINAS?  
 L3 7289 S EIF? AND KINAS?  
 L4 9902 S L2 NOT L3  
 L5 2528 DUP REM L3 (4761 DUPLICATES REMOVED)  
 L6 10028 DUP REM L2 (3513 DUPLICATES REMOVED)  
 L7 1 S L5 AND 14790?  
 L8 240 S L5 AND HUMAN? AND RECOMBIN?

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NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA  
NEWS 7 May 07 DGENE Reload  
NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL  
NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's  
DWPI and DPCI  
NEWS 10 Aug 23 In-process records and more frequent updates now in  
MEDLINE  
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to PHARMASEARCH  
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Index  
NEWS 15 Oct 09 Number of Derwent World Patents Index updates increased  
NEWS 16 Oct 15 Calculated properties now in the REGISTRY/ZREGISTRY File  
NEWS 17 Oct 22 Over 1 million reactions added to CASREACT  
NEWS 18 Oct 22 DGENE GETSIM has been improved  
NEWS 19 Oct 29 AAASD no longer available  
  
NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,  
CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),  
AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001  
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SINCE FILE TOTAL  
ENTRY SESSION

FULL ESTIMATED COST

0.15

0.15

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...'  
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62 FILES IN THE FILE LIST IN STNINDEX

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38 FILES SEARCHED...

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49 FILES SEARCHED...

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 116 FILE TOXLIT  
 7669 FILE USPATFULL  
 11 FILE WPIDS  
 11 FILE WPINDEX

59 FILES SEARCHED...

1 FILE NAPRALERT

39 FILES HAVE ONE OR MORE ANSWERS, 62 FILES SEARCHED IN STNINDEX

L1 QUE EUKARYO? AND INITI? AND FACTO? AND KINAS?

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F1	7669	USPATFULL
F2	746	ESBIOBASE
F3	717	BIOSIS
F4	693	SCISEARCH
F5	659	CAPLUS
F6	620	MEDLINE
F7	520	EMBASE
F8	491	GENBANK
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F10	334	LIFESCI
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F14	116	TOXLIT
F15	32	AGRICOLA
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F23	10	IFIPAT
F24	10	JICST-EPLUS
F25	9	BIOTECHABS
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F27	7	PROMT
F28	6	CONFSCI
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F30	2	BIOBUSINESS
F31	2	CEN
F32	1	ADISALERTS
F33	1	BIOCOMMERCE
F34	1	DRUGNL
F35	1	FROSTI
F36	1	FSTA
F37	1	NIOSHTIC
F38	1	PHIN
F39	1	NAPRALERT

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7 FILES SEARCHED...



8 FILES SEARCHED...  
13 FILES SEARCHED...  
L2 13541 EUKARYO? AND INITI? AND FACTO? AND KINAS?

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TERM '2?' EXCEEDED TRUNCATION LIMITS - SEARCH ENDED  
1 FILES SEARCHED...

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u  
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You have entered a truncated stem which occurs in too many terms.  
Make the stem longer and try again. For example, if your original  
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degrad?)'. If your search term was numeric, e.g., 'C>5', reduce the  
size of the range.

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FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	35.01	76.56

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MEDLINE, EMBASE, GENBANK, BIOTECHNO, LIFESCI, CANCERLIT, DGENE, PASCAL, TOXLIT,  
AGRICOLA, CABA, NLDB, DRUGU, EMBAL, WPIDS, IFIPAT, JICST-EPLUS'  
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FULL ESTIMATED COST	36.11	77.66

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L2 13541 S EUKARYO? AND INITI? AND FACTO? AND KINAS?

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9 FILES SEARCHED...

17 FILES SEARCHED...

L3 7289 EIF? AND KINAS?

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18 FILES SEARCHED...  
L4 9902 L2 NOT L3

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PROCESSING IS APPROXIMATELY 52% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 56% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 61% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 66% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 69% COMPLETE FOR L2 u

=> dup rem l3  
DUPLICATE IS NOT AVAILABLE IN 'GENBANK, DGENE'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING IS APPROXIMATELY 17% COMPLETE FOR L3  
PROCESSING IS APPROXIMATELY 38% COMPLETE FOR L3  
PROCESSING IS APPROXIMATELY 55% COMPLETE FOR L3  
PROCESSING IS APPROXIMATELY 68% COMPLETE FOR L3  
PROCESSING IS APPROXIMATELY 84% COMPLETE FOR L3  
PROCESSING IS APPROXIMATELY 98% COMPLETE FOR L3  
PROCESSING COMPLETED FOR L3  
L5 2528 DUP REM L3 (4761 DUPLICATES REMOVED)

=> dup rem l2  
DUPLICATE IS NOT AVAILABLE IN 'GENBANK, DGENE'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING IS APPROXIMATELY 5% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 9% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 14% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 18% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 24% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 30% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 36% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 42% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 48% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 54% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 67% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 77% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 85% COMPLETE FOR L2  
PROCESSING IS APPROXIMATELY 96% COMPLETE FOR L2  
PROCESSING COMPLETED FOR L2  
L6 10028 DUP REM L2 (3513 DUPLICATES REMOVED)

=> d hi  
'HI' IS NOT A VALID FORMAT  
In a multifile environment, a format can only be used if it is valid  
in at least one of the files. Refer to file specific help messages  
or the STNGUIDE file for information on formats available in  
individual files.  
REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):end

=> d his

(FILE 'HOME' ENTERED AT 09:52:28 ON 14 NOV 2001)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 09:52:52 ON 14 NOV 2001

SEA (EUKARYO? AND INITI? AND FACTO? AND KINAS?) OR (EIF-2? AND

-----  
1 FILE ADISALERTS  
39 FILE AGRICOLA  
5 FILE AQUASCI  
2 FILE BIOBUSINESS  
1 FILE BIOCOMMERCE  
912 FILE BIOSIS  
9 FILE BIOTECHABS  
9 FILE BIOTECHDS  
501 FILE BIOTECHNO  
25 FILE CABA  
548 FILE CANCERLIT  
0\* FILE CAPLUS  
1 FILE CEABA-VTB  
2 FILE CEN  
23 FILE CONFSCI  
14 FILE DDFU  
160 FILE DGENE  
1 FILE DRUGNL  
21 FILE DRUGU  
14 FILE EMBAL  
673 FILE EMBASE  
795 FILE ESBIODBASE  
1 FILE FROSTI  
1 FILE FSTA  
0\* FILE GENBANK  
0\* FILE IFIPAT  
11 FILE JICST-EPLUS  
463 FILE LIFESCI  
1256 FILE MEDLINE  
1 FILE NIOSHTIC  
0\* FILE NTIS  
0\* FILE PASCAL  
1 FILE PHIN  
0\* FILE PROMT  
923 FILE SCISEARCH  
0\* FILE TOXLIT  
0\* FILE USPATFULL  
0\* FILE WPIDS  
0\* FILE WPINDEX  
1 FILE NAPRALERT  
0\* FILE NLDB

SEA EUKARYO? AND INITI? AND FACTO? AND KINAS?

-----  
1 FILE ADISALERTS  
32 FILE AGRICOLA  
4 FILE AQUASCI  
2 FILE BIOBUSINESS  
1 FILE BIOCOMMERCE  
717 FILE BIOSIS  
9 FILE BIOTECHABS  
9 FILE BIOTECHDS  
387 FILE BIOTECHNO  
24 FILE CABA  
210 FILE CANCERLIT

659 FILE CAPLUS  
 2 FILE CEN  
 6 FILE CONFSCI  
 10 FILE DDFU  
 129 FILE DGENE  
 1 FILE DRUGNL  
 14 FILE DRUGU  
 14 FILE EMBAL  
 520 FILE EMBASE  
 746 FILE ESBIODBASE  
 1 FILE FROSTI  
 1 FILE FSTA  
 491 FILE GENBANK  
 10 FILE IFIPAT  
 10 FILE JICST-EPLUS  
 334 FILE LIFESCI  
 620 FILE MEDLINE  
 1 FILE NIOSHTIC  
 116 FILE PASCAL  
 1 FILE PHIN  
 7 FILE PROMT  
 693 FILE SCISEARCH  
 116 FILE TOXLIT  
 7669 FILE USPATFULL  
 11 FILE WPIDS  
 11 FILE WPINDEX  
 1 FILE NAPRALERT  
 19 FILE NLDB

L1 QUE EUKARYO? AND INITI? AND FACTO? AND KINAS?

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FILE 'USPATFULL, ESBIODBASE, BIOSIS, SCISEARCH, CAPLUS, MEDLINE, EMBASE,  
 GENBANK, BIOTECHNO, LIFESCI, CANCERLIT, DGENE, PASCAL, TOXLIT, AGRICOLA,  
 CABA, NLDB, DRUGU, EMBAL, WPIDS, IFIPAT, JICST-EPLUS' ENTERED AT 10:48:09  
 ON 14 NOV 2001

L2 13541 S EUKARYO? AND INITI? AND FACTO? AND KINAS?  
 L3 7289 S EIF? AND KINAS?  
 L4 9902 S L2 NOT L3  
 L5 2528 DUP REM L3 (4761 DUPLICATES REMOVED)  
 L6 10028 DUP REM L2 (3513 DUPLICATES REMOVED)

=> s 15 and 14790?  
 5 FILES SEARCHED...  
 17 FILES SEARCHED...  
 L7 1 L5 AND 14790?

=> d ti

L7 ANSWER 1 OF 1 GENBANK.RTM. COPYRIGHT 2001

TITLE (TI): Direct Submission

=> d 17

L7 ANSWER 1 OF 1 GENBANK.RTM. COPYRIGHT 2001

LOCUS (LOC): SCCHRXVI GenBank (R)  
 GenBank ACC. NO. (GBN): Z71255  
 CAS REGISTRY NO. (RN): 175825-73-7  
 SEQUENCE LENGTH (SQL): 165536  
 MOLECULE TYPE (CI): DNA; linear  
 DIVISION CODE (CI): Plants, fungi, algae

DATE (DATE): 11 Oct 2000  
 DEFINITION (DEF): S.cerevisiae chromosome XVI 165536 bp sequence, cen  
 rightwards.  
 KEYWORDS (ST): ARO7; ATPase; beta-transducin; CCL1; CDC21 homologue;  
 CDE1; CDE2; CDE3; centromere; CHL1; chorismate mutase;  
 citrate synthase; coatomer zeta subunit; cyclin; delta  
 element; DnaJ; DSS4; electro; transport flavoprotein;  
 eukaryotic initiation factor 5; FlFo-AT; synthase g  
 subunit; gamma adaptin; GLN1; glutamine synthetase;  
 Grave's disease; guanine-releasing protein; HAL1;  
 halotolerance; histidine tRNA synthetase; HTS1;  
 isocitrate lyase; LPT1; LTR; MAK3; MFS1; Mitochondrial  
 carrier protein; N-acetyltransferase; NADPH-cytochrome  
 P450 reductase; negative regulator; NHP6A; nonhistone  
 chromosomal protein 6A; OSD1; phenylalanyl-tRN;  
 synthetase; phosphotyrosine protein phosphatase;  
 polyposis; protamine P1; protein **kinase**;  
 protein transport; regulator; protein; ribosomal  
 protein L37a; RNA polymerase I; ROX1; RPA2; SEC8; SMK1;  
 spermidine synthase; TIF5; TKL1; transfer RNA-Gly;  
 transfer RNA-Lys; transfer RNA-Phe; transfer RNA-Ser;  
 transketolase; tropomyosin; ubiquitin-activating  
 enzyme; vacuola; H(+)-ATPase 54 kda subunit; VMA13;  
 YMC1; YME1; YTA11; zinc finger; protein  
 SOURCE: baker's yeast.  
 ORGANISM (ORGN): Saccharomyces cerevisiae  
 Eukaryota; Fungi; Ascomycota; Saccharomycotina;  
 Saccharomycetes; Saccharomycetales; Saccharomycetaceae;  
 Saccharomyces

NUCLEIC ACID COUNT (NA): 52201 a 31306 c 31323 g 50706 t

COMMENT:

SC8132X Z48483 1 to 25540  
 SC9723 Z48951 100 to 17660  
 SC9531X Z49919 104 to 27166  
 SC9367 Z49274 10 to 42190  
 SC3085 Z68111 790 to 10339 (PCR product)  
 SC9499X Z49219 134 to 43776

The most significant matches using FASTA -o to a non-redundant  
 database compiled from Swissprot 32 and PIR 46 and Wormpep9 are  
 included.

All CDS over 100 codons have been analysed. CDS that are largely or  
 completely overlapped by a larger CDS have been omitted from this  
 analysis.

The more significant matches with motifs in the PROSITE database  
 are also included but some of these may be fortuitous. The length  
 in codons/amino-acids is given for each CDS as is the calculated  
 codon adaptation index (CAI).

tRNA genes and LTRs are also included.

Notes:

This sequence has been compiled from the following submissions of  
 individual contigs.

REFERENCE: 1 (bases 1 to 165536)  
 AUTHOR (AU): Badcock, K.; Bowman, S.; Churcher, C.M.; Pearson, D.;  
 Rajandream, M.A.; Walsh, S.V.; Barrell, B.G.  
 TITLE (TI): Direct Submission  
 JOURNAL (SO): Submitted (19-APR-1996) Saccharomyces cerevisiae  
 chromosome IV sequencing project, Sanger Centre,  
 Hinxton Hall, Hinxton, Cambridge CB10 1RQ. E-mail:  
 barrell@sanger.ac.uk

FEATURES (FEAT):

Feature Key	Location	Qualifier
=====	+	=====

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misc-feature    104601..104645    SLOWARGTVYCTPAQLNELLGGVNRPAISKYKESI
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42)
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                                           LSGLFKKHGGVTIDTPVFELREIL
                                           AGKYGEDSKLIYNLEDQG GELCSLRYDLTVPFAR

```

<-----User Break----->

u  
=> d his

(FILE 'HOME' ENTERED AT 09:52:28 ON 14 NOV 2001)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 09:52:52 ON 14 NOV 2001

SEA (EUKARYO? AND INITI? AND FACTO? AND KINAS?) OR (EIF-2? AND

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1    FILE ADISALERTS
39   FILE AGRICOLA
5    FILE AQUASCI
2    FILE BIOBUSINESS
1    FILE BIOCOMMERCE
912  FILE BIOSIS
9    FILE BIOTECHABS
9    FILE BIOTECHDS
501  FILE BIOTECHNO
25   FILE CABA
548  FILE CANCERLIT
0*   FILE CAPLUS
1    FILE CEABA-VTB
2    FILE CEN
23   FILE CONFSCI
14   FILE DDFU
160  FILE DGENE
1    FILE DRUGNL
21   FILE DRUGU
14   FILE EMBAL
673  FILE EMBASE
795  FILE ESBIODASE

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1 FILE FROSTI  
 1 FILE FSTA  
 0\* FILE GENBANK  
 0\* FILE IFIPAT  
 11 FILE JICST-EPLUS  
 463 FILE LIFESCI  
 1256 FILE MEDLINE  
 1 FILE NIOSHTIC  
 0\* FILE NTIS  
 0\* FILE PASCAL  
 1 FILE PHIN  
 0\* FILE PROMT  
 923 FILE SCISEARCH  
 0\* FILE TOXLIT  
 0\* FILE USPATFULL  
 0\* FILE WPIDS  
 0\* FILE WPINDEX  
 1 FILE NAPRALERT  
 0\* FILE NLDB  
 SEA EUKARYO? AND INITI? AND FACTO? AND KINAS?

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 1 FILE ADISALERTS  
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 7669 FILE USPATFULL  
 11 FILE WPIDS  
 11 FILE WPINDEX  
 1 FILE NAPRALERT  
 19 FILE NLDB

QUE EUKARYO? AND INITI? AND FACTO? AND KINAS?  
 -----

FILE 'USPATFULL, ESBIODASE, BIOSIS, SCISEARCH, CAPLUS, MEDLINE, EMBASE,  
GENBANK, BIOTECHNO, LIFESCI, CANCERLIT, DGENE, PASCAL, TOXLIT, AGRICOLA,  
CABA, NLDB, DRUGU, EMBAL, WPIDS, IFIPAT, JICST-EPLUS' ENTERED AT 10:48:09  
ON 14 NOV 2001

L2 13541 S EUKARYO? AND INITI? AND FACTO? AND KINAS?  
L3 7289 S EIF? AND KINAS?  
L4 9902 S L2 NOT L3  
L5 2528 DUP REM L3 (4761 DUPLICATES REMOVED)  
L6 10028 DUP REM L2 (3513 DUPLICATES REMOVED)  
L7 1 S L5 AND 14790?

=> s l5 and human? and recombina?

3 FILES SEARCHED...

7 FILES SEARCHED...

11 FILES SEARCHED...

13 FILES SEARCHED...

L8 240 L5 AND HUMAN? AND RECOMBIN?

=> s l6 and human? and recombina?

COMMAND INTERRUPTED

REENTER FILE 'USPATFULL, ESBIODASE, BIOSIS, SCISEARCH, CAPLUS, MEDLINE, EMBASE,  
GENBANK, BIOTECHNO, LIFESCI, CANCERLIT, DGENE, PASCAL, TOXLIT, AGRICOLA, CABA,  
NLDB, DRUGU, EMBAL, WPIDS, IFIPAT, JICST-EPLUS'  
AND TRY AGAIN, OR ENTER '?' FOR MORE INFORMATION.

QUERY PROCESSING INTERRUPTED

The system was temporarily unable to process your query. If this  
message appears repeatedly, please notify the Help Desk. Enter "HELP  
STN" for information on contacting the nearest STN Help Desk by  
telephone or via SEND in the STNMAIL file.

=> s l6 and human? and recombina?

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Some commands only work in certain files. For example, the EXPAND  
command can only be used to look at the index in a file which has an  
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of  
commands which can be used in this file.

=> FIL F1-F24

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
125.75	167.30

FULL ESTIMATED COST

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FILE 'TOXLIT' ENTERED AT 12:28:03 ON 14 NOV 2001

FILE 'AGRICOLA' ENTERED AT 12:28:03 ON 14 NOV 2001

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FILE 'WPINDEX' TEMPORARILY UNAVAILABLE

FILE 'DDFU' TEMPORARILY UNAVAILABLE

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FILE 'JICST-EPLUS' ENTERED AT 12:28:03 ON 14 NOV 2001  
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If this message appears repeatedly, please notify the Help Desk.  
Enter "HELP STN" for information on contacting the nearest STN Help  
Desk by telephone or via SEND in the STNMAIL file.

=> d his

(FILE 'HOME' ENTERED AT 09:52:28 ON 14 NOV 2001)

INDEX 'ADISALERTS, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,  
BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,  
DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 09:52:52 ON  
14 NOV 2001

SEA (EUKARYO? AND INITI? AND FACTO? AND KINAS?) OR (EIF-2? AND

-----

1	FILE ADISALERTS
39	FILE AGRICOLA
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2	FILE BIOBUSINESS
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912	FILE BIOSIS
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14	FILE EMBAL

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520  FILE EMBASE
746  FILE ESBIODBASE
    1  FILE FROSTI
    1  FILE FSTA
491  FILE GENBANK
    10 FILE IFIPAT
    10 FILE JICST-EPLUS
334  FILE LIFESCI
620  FILE MEDLINE
    1  FILE NIOSHTIC
116  FILE PASCAL
    1  FILE PHIN
    7  FILE PROMT
693  FILE SCISEARCH
116  FILE TOXLIT
7669 FILE USPATFULL
    11 FILE WPIDS
    11 FILE WPINDEX
    1  FILE NAPRALERT
    19 FILE NLDB

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L1        QUE EUKARYO? AND INITI? AND FACTO? AND KINAS?  
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FILE 'USPATFULL, ESBIODBASE, BIOSIS, SCISEARCH, CAPLUS, MEDLINE, EMBASE,  
GENBANK, BIOTECHNO, LIFESCI, CANCERLIT, DGENE, PASCAL, TOXLIT, AGRICOLA,  
CABA, NLDB, DRUGU, EMBAL, WPIDS, IFIPAT, JICST-EPLUS' ENTERED AT 10:48:09  
ON 14 NOV 2001

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L2      13541 S EUKARYO? AND INITI? AND FACTO? AND KINAS?
L3      7289 S EIF? AND KINAS?
L4      9902 S L2 NOT L3
L5      2528 DUP REM L3 (4761 DUPLICATES REMOVED)
L6      10028 DUP REM L2 (3513 DUPLICATES REMOVED)
L7      1 S L5 AND 14790?
L8      240 S L5 AND HUMAN? AND RECOMBIN?

```

FILE 'USPATFULL, ESBIODBASE, BIOSIS, SCISEARCH, CAPLUS, MEDLINE, EMBASE,  
GENBANK, BIOTECHNO, LIFESCI, CANCERLIT, DGENE, PASCAL, TOXLIT, AGRICOLA,  
CABA, NLDB, DRUGU, EMBAL, WPIDS, IFIPAT, JICST-EPLUS' ENTERED AT 12:28:03  
ON 14 NOV 2001

=> s l6 and human? and recombina?

COMMAND INTERRUPTED

REENTER FILE 'USPATFULL, ESBIODBASE, BIOSIS, SCISEARCH, CAPLUS, MEDLINE, EMBASE,  
GENBANK, BIOTECHNO, LIFESCI, CANCERLIT, DGENE, PASCAL, TOXLIT, AGRICOLA, CABA,  
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telephone or via SEND in the STNMAIL file.

=> s l8 and alpha?

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

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command can only be used to look at the index in a file which has an  
index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of  
commands which can be used in this file.

=> FIL F1-F24

COST IN U.S. DOLLARS

FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
27.48	194.78

FILE 'USPATFULL' ENTERED AT 12:34:12 ON 14 NOV 2001  
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- L8 ANSWER 169 OF 240 MEDLINE  
TI Ligand-independent dimerization activates the stress response **kinases** IRE1 and PERK in the lumen of the endoplasmic reticulum.
- L8 ANSWER 170 OF 240 MEDLINE  
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- L8 ANSWER 171 OF 240 MEDLINE  
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- L8 ANSWER 172 OF 240 MEDLINE  
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L8 ANSWER 178 OF 240 MEDLINE  
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L8 ANSWER 180 OF 240 MEDLINE  
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L8 ANSWER 181 OF 240 MEDLINE  
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L8 ANSWER 182 OF 240 MEDLINE  
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L8 ANSWER 183 OF 240 MEDLINE  
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L8 ANSWER 184 OF 240 MEDLINE  
 TI Repression of the PKR protein **kinase** by the hepatitis C virus NS5A protein: a potential mechanism of interferon resistance.

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L8 ANSWER 186 OF 240 MEDLINE  
 TI Nuclease-resistant composite 2',5'-oligoadenylate-3', 5'-oligonucleotides for the targeted destruction of RNA: 2-5A-iso-antisense.

L8 ANSWER 187 OF 240 MEDLINE  
 TI Ultrastructural localization of interferon-inducible double-stranded

RNA-activated enzymes in **human** cells.

- L8 ANSWER 188 OF 240 MEDLINE  
TI Interferon regulatory factor 3 and CREB-binding protein/p300 are subunits of double-stranded RNA-activated transcription factor DRAFl.
- L8 ANSWER 189 OF 240 MEDLINE  
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- L8 ANSWER 190 OF 240 MEDLINE  
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- L8 ANSWER 191 OF 240 MEDLINE  
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- L8 ANSWER 194 OF 240 MEDLINE  
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- L8 ANSWER 195 OF 240 MEDLINE  
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- L8 ANSWER 196 OF 240 MEDLINE  
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- L8 ANSWER 197 OF 240 MEDLINE  
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- L8 ANSWER 198 OF 240 MEDLINE  
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- L8 ANSWER 199 OF 240 MEDLINE  
TI Characterization of the mouse monoclonal antibody TJ4C4 directed at **human** p68 **kinase**.
- L8 ANSWER 200 OF 240 MEDLINE  
TI Structural features of adenovirus 2 virus-associated RNA required for binding to the protein **kinase** DAI.
- L8 ANSWER 201 OF 240 MEDLINE  
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- L8 ANSWER 202 OF 240 MEDLINE  
TI Blockage of NF-kappa B signaling by selective ablation of an mRNA target

by 2-5A antisense chimeras.

- L8 ANSWER 203 OF 240 MEDLINE  
TI Role of the amino-terminal residues of the interferon-induced protein **kinase** in its activation by double-stranded RNA and heparin.
- L8 ANSWER 204 OF 240 MEDLINE  
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- L8 ANSWER 205 OF 240 MEDLINE  
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- L8 ANSWER 206 OF 240 MEDLINE  
TI The interferon-induced double-stranded RNA-activated protein **kinase** induces apoptosis.
- L8 ANSWER 207 OF 240 MEDLINE  
TI Comparative analysis of the regulation of the interferon-inducible protein **kinase** PKR by Epstein-Barr virus RNAs EBER-1 and EBER-2 and adenovirus VAI RNA.
- L8 ANSWER 208 OF 240 MEDLINE  
TI The interferon-induced double-stranded RNA-activated **human** p68 protein **kinase** potentially inhibits protein synthesis in cultured cells.
- L8 ANSWER 209 OF 240 MEDLINE  
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- L8 ANSWER 210 OF 240 MEDLINE  
TI Tumor suppressor function of the interferon-induced double-stranded RNA-activated protein **kinase**.
- L8 ANSWER 211 OF 240 MEDLINE  
TI The E3L gene of vaccinia virus encodes an inhibitor of the interferon-induced, double-stranded RNA-dependent protein **kinase**.
- L8 ANSWER 212 OF 240 MEDLINE  
TI Enhancement by retinoic acid and dibutyryl cyclic adenosine 3':5'-monophosphate of the differentiation and gene expression of **human** neuroblastoma cells induced by interferon.
- L8 ANSWER 213 OF 240 MEDLINE  
TI Mechanism of interferon action. Interferon alpha inhibits vesicular stomatitis virus primary transcript accumulation in P1/eIF-2 alpha protein **kinase**-deficient **human** fibroblast cells.
- L8 ANSWER 214 OF 240 MEDLINE  
TI Functional properties of proteins coded by three **human** alpha-interferon genes and a pseudogene.
- L8 ANSWER 215 OF 240 GENBANK.RTM. COPYRIGHT 2001  
TITLE (TI): Complete genome sequence of an aerobic hyper-thermophilic crenarchaeon, Aeropyrum pernix K1  
TITLE (TI): Direct Submission
- L8 ANSWER 216 OF 240 GENBANK.RTM. COPYRIGHT 2001

TITLE (TI): Complete Sequence and Gene Organization of the Genome  
of a Hyper-thermophilic Archaeobacterium, Pyrococcus  
horikoshii OT3  
TITLE (TI): Direct Submission

L8 ANSWER 217 OF 240 GENBANK.RTM. COPYRIGHT 2001

TITLE (TI): Complete genome sequence of Methanobacterium  
thermoautotrophicum delta H: functional analysis and  
comparative genomics  
TITLE (TI): Direct Submission

L8 ANSWER 218 OF 240 CANCERLIT

TI TNF-binding protein ameliorates inhibition of skeletal muscle protein  
synthesis during sepsis.

L8 ANSWER 219 OF 240 CANCERLIT

TI THE INTERFERON-INDUCED PROTEIN P1/**EIF-2** ALPHA **KINASE**.

L8 ANSWER 220 OF 240 DGENE COPYRIGHT 2001 DERWENT INFORMATION LTD

TI Enhancing expression of nucleic acids in cells - by using modified  
vectors which comprise the nucleic acid and also nucleic acid encoding a  
translation factor

L8 ANSWER 221 OF 240 DGENE COPYRIGHT 2001 DERWENT INFORMATION LTD

TI Enhancing expression of nucleic acids in cells - by using modified  
vectors which comprise the nucleic acid and also nucleic acid encoding a  
translation factor

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TI Enhancing expression of nucleic acids in cells - by using modified  
vectors which comprise the nucleic acid and also nucleic acid encoding a  
translation factor

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TI Enhancing expression of nucleic acids in cells - by using modified  
vectors which comprise the nucleic acid and also nucleic acid encoding a  
translation factor

L8 ANSWER 224 OF 240 DGENE COPYRIGHT 2001 DERWENT INFORMATION LTD

TI Regulation of gene expression by mRNA splicing is carried out using a  
cis-acting nucleotide sequence controlled by phosphorylation of the  
alpha-subunit of eukaryotic initiation factor 2 -

L8 ANSWER 225 OF 240 DGENE COPYRIGHT 2001 DERWENT INFORMATION LTD

TI Regulation of gene expression by mRNA splicing is carried out using a  
cis-acting nucleotide sequence controlled by phosphorylation of the  
alpha-subunit of eukaryotic initiation factor 2 -

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TI Regulation of gene expression by mRNA splicing is carried out using a  
cis-acting nucleotide sequence controlled by phosphorylation of the  
alpha-subunit of eukaryotic initiation factor 2 -

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TI Regulation of gene expression by mRNA splicing is carried out using a  
cis-acting nucleotide sequence controlled by phosphorylation of the  
alpha-subunit of eukaryotic initiation factor 2 -

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TI Regulation of gene expression by mRNA splicing is carried out using a  
cis-acting nucleotide sequence controlled by phosphorylation of the

alpha-subunit of eukaryotic initiation factor 2 -

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TI Regulation of gene expression by mRNA splicing is carried out using a  
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alpha-subunit of eukaryotic initiation factor 2 -

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alpha-subunit of eukaryotic initiation factor 2 -

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alpha-subunit of eukaryotic initiation factor 2 -

L8 ANSWER 232 OF 240 DGENE COPYRIGHT 2001 DERWENT INFORMATION LTD  
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cis-acting nucleotide sequence controlled by phosphorylation of the  
alpha-subunit of eukaryotic initiation factor 2 -

L8 ANSWER 233 OF 240 DGENE COPYRIGHT 2001 DERWENT INFORMATION LTD  
TI Enhancing expression of nucleic acids in cells - by using modified  
vectors which comprise the nucleic acid and also nucleic acid encoding a  
translation factor

L8 ANSWER 234 OF 240 DGENE COPYRIGHT 2001 DERWENT INFORMATION LTD  
TI Enhancing expression of nucleic acids in cells - by using modified  
vectors which comprise the nucleic acid and also nucleic acid encoding a  
translation factor

L8 ANSWER 235 OF 240 COPYRIGHT 2001 Gale Group  
TI EUROPEAN PATENT DISCLOSURES.

L8 ANSWER 236 OF 240 COPYRIGHT 2001 Gale Group  
TI EUROPEAN PATENT DISCLOSURES PRIVATE.

L8 ANSWER 237 OF 240 COPYRIGHT 2001 Gale Group  
TI Parasitology (Plasmodium falciparum) Protein **Kinase** Gene May Be  
Involved in Erythrocyte Rupture

L8 ANSWER 238 OF 240 COPYRIGHT 2001 Gale Group  
TI Malaria (Biochemistry) "Molecular Cloning, Characterization and  
Localization of PfPK4, an **eIF-2** alpha **Kinase**-Related  
Enzyme from the Malarial Parasite Plasmodium falciparum."

L8 ANSWER 239 OF 240 DRUGU COPYRIGHT 2001 DERWENT INFORMATION LTD  
TI Interferons: biochemistry and mechanisms of action.

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TI Interferons and their Action.

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(FILE 'HOME' ENTERED AT 09:52:28 ON 14 NOV 2001)

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L2 13541 S EUKARYO? AND INITI? AND FACTO? AND KINAS?  
 L3 7289 S EIF? AND KINAS?  
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TI Tumor suppressor genes, proteins encoded thereby and use of said genes and proteins

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 TI Methods for screening for antimycotics

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 TI Compositions containing glycopolypeptide multimers and methods of making same in plants

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 TI Process of preparing a soluble LDL receptor

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 TI NYVAC vaccinia virus **recombinants** comprising heterologous inserts

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TI Multiclass hybrid interferons

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TI Multiclass hybrid interferons

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TI Expression of unphosphorylated form of **human** double-stranded  
RNA-activated protein **kinase** in Escherichia coli

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TI The B56.**alpha**. regulatory subunit of protein phosphatase 2A is  
a target for regulation by double-stranded RNA-dependent protein  
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TI Specific in vitro phosphorylation of plant **eIF2.alpha**  
. by eukaryotic **eIF2.alpha**. **kinases**

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TI The second-site mutation in the herpes simplex virus **recombinants**  
lacking the .gamma..sub.134.5 genes precludes shutoff of protein  
synthesis by blocking the phosphorylation of **eIF-2**.  
**alpha**.

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TI DNA-dependent protein **kinase** interacts with antigen receptor  
response element binding proteins NF90 and NF45

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TI The apoptosis pathway triggered by the interferon-induced protein  
**kinase** PKR requires the third basic domain, initiates upstream of  
bcl-2, and involves ICE-like proteases

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TI Characterization of the heparin-mediated activation of PKR, the  
interferon-inducible RNA-dependent protein **kinase**

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TI Growth arrest and DNA damage-inducible protein GADD34 assembles a novel  
signaling complex containing protein phosphatase 1 and inhibitor 1.

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TI Interferon-**alpha** and the pathogenesis of myeloproliferative  
disorders.

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TI Molecular cloning, characterization and localization of PfPK4, an  
**eIF-2alpha** **kinase**-related enzyme from the malarial  
parasite Plasmodium falciparum.

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TI **Recombinant** vaccinia virus K3L gene product prevents activation  
of double-stranded RNA-dependent, initiation factor-2-**alpha**  
-specific protein **kinase**.

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TI Detection of protein **kinase** homologues and viral RNA-binding  
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baculovirus-expressed ds RNA-activated 68000-Da protein **kinase**.



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 TI MECHANISM OF INTERFERON ACTION KINETICS OF DECAY OF THE ANTI VIRAL STATE AND PROTEIN PHOSPHORYLATION IN MOUSE FIBROBLASTS TREATED WITH NATURAL AND CLONED INTERFERONS.
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 TI EXPRESSION AND REGULATION BY INTERFERON OF A DOUBLE-STRANDED-RNA-SPECIFIC ADENOSINE-DEAMINASE FROM **HUMAN**-CELLS - EVIDENCE FOR 2 FORMS OF THE DEAMINASE
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 TI Identification by cDNA microarray of genes involved in ovarian carcinogenesis
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 TI Pancreatic eukaryotic translation initiation factor-2.**alpha**. **kinase**
- L9 ANSWER 136 OF 177 CAPLUS COPYRIGHT 2001 ACS  
 TI Compositions and methods for inhibiting HIV infection by down-regulating **human** cellular genes
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 TI Evidence that the **human** homolog of a rat initiation factor-2 associated protein (p67) is a methionine aminopeptidase
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 TI Baculovirus vectors for expression of **recombinant** secretory and membrane-bound glycoproteins in insect cells
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 TI Relationship between the interferon-induced antiviral state and protein P1/**eIF-2.alpha**. phosphorylation in mouse fibroblasts treated with natural and **recombinant** viral and immune interferons
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 TI Molecular mechanisms of interferon action. Phosphorylation of protein P1 and protein synthesis initiation factor **eIF-2.alpha**. in untreated and interferon-treated cells
- L9 ANSWER 142 OF 177 MEDLINE  
 TI FANCC interacts with Hsp70 to protect hematopoietic cells from IFN-gamma/TNF-**alpha**-mediated cytotoxicity.
- L9 ANSWER 143 OF 177 MEDLINE  
 TI Latently expressed **human** herpesvirus 8-encoded interferon regulatory factor 2 inhibits double-stranded RNA-activated protein **kinase**.
- L9 ANSWER 144 OF 177 MEDLINE  
 TI Mouse interferon-inducible RNA-dependent protein **kinase** Pkr gene: cloning and sequence of the 5'-flanking region and functional

identification of the minimal inducible promoter.

- L9 ANSWER 145 OF 177 MEDLINE  
TI Activation of NF-kappa B by the dsRNA-dependent protein **kinase**, PKR involves the I kappa B **kinase** complex.
- L9 ANSWER 146 OF 177 MEDLINE  
TI Analysis of transcription factors regulating induction of indoleamine 2,3-dioxygenase by IFN-gamma.
- L9 ANSWER 147 OF 177 MEDLINE  
TI Mutations in the protein **kinase**-binding domain of the NS5A protein in patients infected with hepatitis C virus type 1a are associated with treatment response.
- L9 ANSWER 148 OF 177 MEDLINE  
TI JNK2 and IKKbeta are required for activating the innate response to viral infection.
- L9 ANSWER 149 OF 177 MEDLINE  
TI **Human** immunodeficiency virus type 1 tat protein activates transcription factor NF-kappaB through the cellular interferon-inducible, double-stranded RNA-dependent protein **kinase**, PKR.
- L9 ANSWER 150 OF 177 MEDLINE  
TI Repression of the PKR protein **kinase** by the hepatitis C virus NS5A protein: a potential mechanism of interferon resistance.
- L9 ANSWER 151 OF 177 MEDLINE  
TI The orf virus OV20.0L gene product is involved in interferon resistance and inhibits an interferon-inducible, double-stranded RNA-dependent **kinase**.
- L9 ANSWER 152 OF 177 MEDLINE  
TI Interferon regulatory factor 3 and CREB-binding protein/p300 are subunits of double-stranded RNA-activated transcription factor DRAF1.
- L9 ANSWER 153 OF 177 MEDLINE  
TI Double-stranded RNA-dependent protein **kinase** mediates c-Myc suppression induced by type I interferons.
- L9 ANSWER 154 OF 177 MEDLINE  
TI Nuclear localization of the interferon-inducible protein **kinase** PKR in **human** cells and transfected mouse cells.
- L9 ANSWER 155 OF 177 MEDLINE  
TI Activation of the interferon-inducible enzymes, 2',5'-oligoadenylate synthetase and PKR by **human** T-cell leukemia virus type I Rex-response element.
- L9 ANSWER 156 OF 177 MEDLINE  
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- L9 ANSWER 157 OF 177 MEDLINE  
TI Double-stranded RNA-dependent protein **kinase** activates transcription factor NF-kappa B by phosphorylating I kappa B.
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TI Hepatitis delta virus replication in vitro is not affected by interferon-**alpha** or -gamma despite intact cellular responses to interferon and dsRNA.

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 TI Enhancement by retinoic acid and dibutyryl cyclic adenosine  
 3':5'-monophosphate of the differentiation and gene expression of  
**human** neuroblastoma cells induced by interferon.

L9 ANSWER 160 OF 177 MEDLINE  
 TI Mechanism of interferon action. Interferon **alpha** inhibits  
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**eIF-2 alpha** protein **kinase**-deficient  
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 TI Functional properties of proteins coded by three **human**  
**alpha**-interferon genes and a pseudogene.

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TI Regulation of gene expression by mRNA splicing is carried out using a  
cis-acting nucleotide sequence controlled by phosphorylation of the  
**alpha**-subunit of eukaryotic initiation factor 2 -

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TI Parasitology (Plasmodium falciparum) Protein **Kinase** Gene May Be  
Involved in Erythrocyte Rupture

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TI Malaria (Biochemistry) "Molecular Cloning, Characterization and  
Localization of PfPK4, an **eIF-2 alpha Kinase**  
-Related Enzyme from the Malarial Parasite Plasmodium falciparum."

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TI Interferons: biochemistry and mechanisms of action.

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TI Interferons and their Action.

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L9 177 S L8 AND ALPH?

=> s l6 and human? and recombina?

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